

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\  
 Data File : VF060156.D  
 Acq On : 28 Aug 2018 18:07  
 Operator : VA/AP  
 Sample : J4646-06RE  
 Misc : 5.57g/5mL/MSVOA F/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 EP1-Q4-B5RE

Quant Time: Aug 29 04:34:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F082118S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 22 04:43:43 2018  
 Response via : Initial Calibration

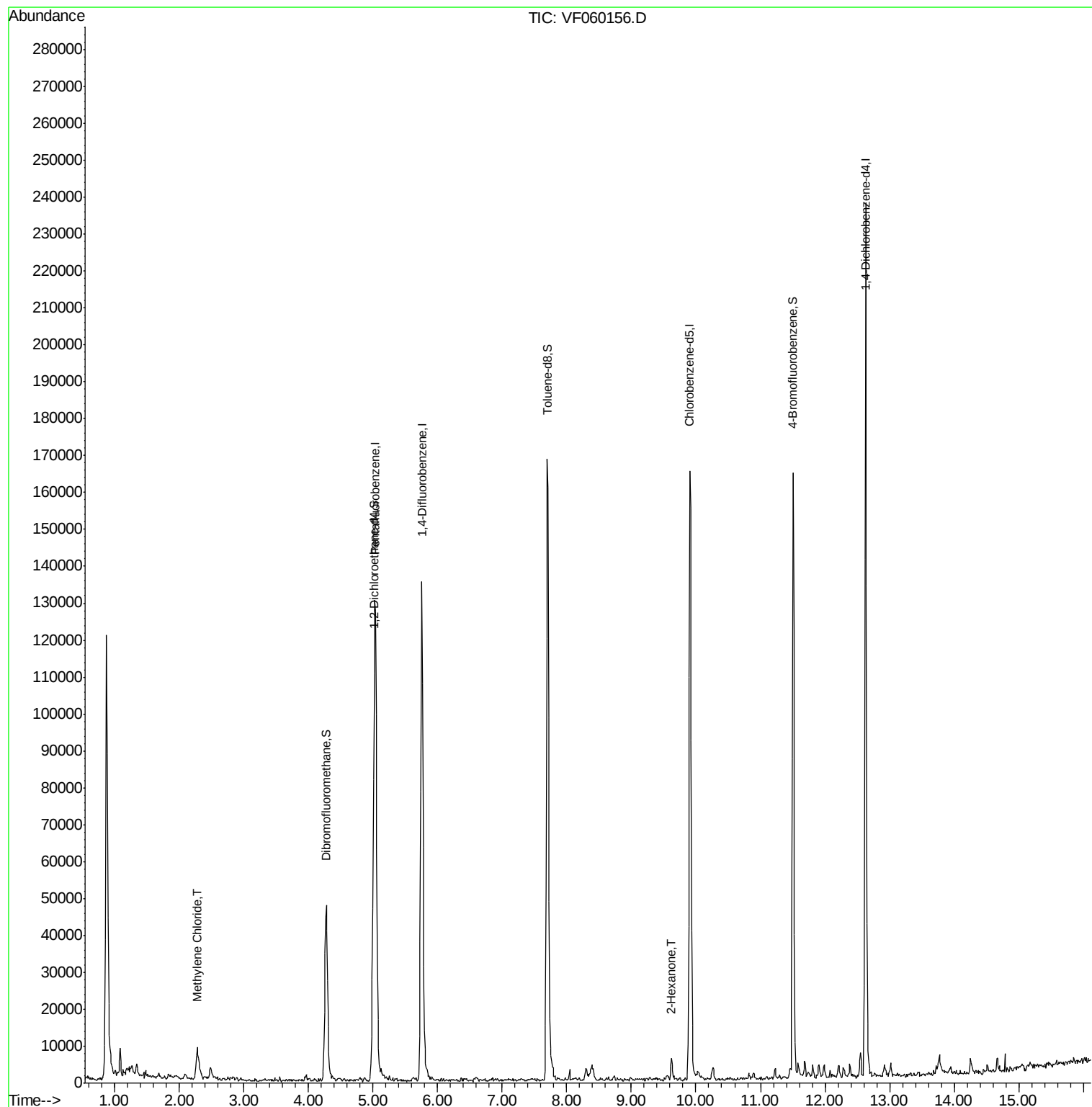
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.04  | 168  | 110657   | 50.00 | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene     | 5.76  | 114  | 144034   | 50.00 | ug/l   | -0.02    |
| 63) Chlorobenzene-d5        | 9.91  | 117  | 117836   | 50.00 | ug/l   | -0.02    |
| 72) 1,4-Dichlorobenzene-d4  | 12.63 | 152  | 56246    | 50.00 | ug/l   | -0.01    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.01  | 65   | 36879    | 24.35 | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 48.70% |          |
| 35) Dibromofluoromethane    | 4.28  | 113  | 45630    | 40.34 | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 80.68% |          |
| 50) Toluene-d8              | 7.70  | 98   | 141039   | 43.91 | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.82% |          |
| 62) 4-Bromofluorobenzene    | 11.50 | 95   | 54609    | 32.14 | ug/l   | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 64.28% |          |
| Target Compounds            |       |      |          |       |        |          |
| 20) Methylene Chloride      | 2.28  | 84   | 5372     | 1.92  | ug/l   | # 75     |
| 59) 2-Hexanone              | 9.62  | 43   | 4644     | 6.52  | ug/l   | 96       |

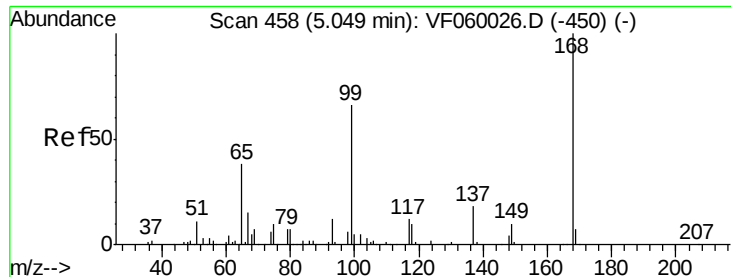
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082818\  
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Quant Title : SW846 8260  
QLast Update : Wed Aug 22 04:43:43 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060156.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA\_F

ClientSampleId :

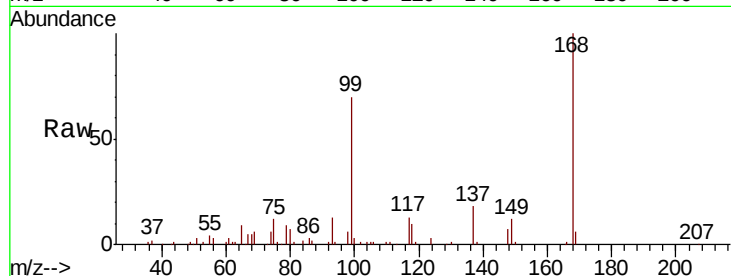
EP1-Q4-B5RE

Tot Ion:168 Resp: 110657

Ion Ratio Lower Upper

168 100

99 69.6 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

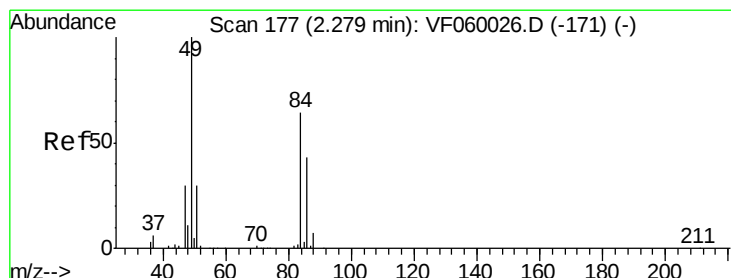
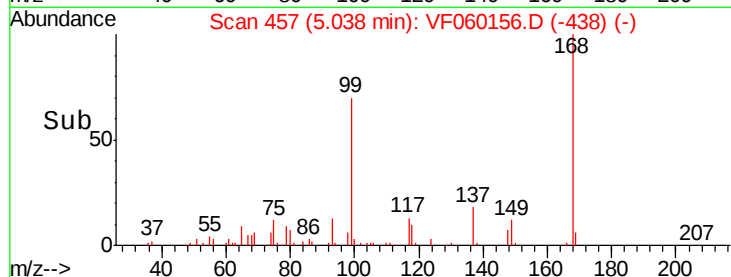
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#20

Methylene Chloride

Concen: 1.92 ug/l

RT: 2.28 min Scan# 177

Delta R.T. -0.00 min

Lab File: VF060156.D

Acq: 28 Aug 2018 18:07

Tgt Ion: 84 Resp: 5372

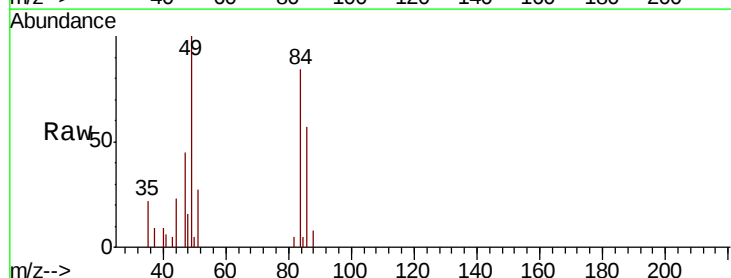
Ion Ratio Lower Upper

84 100

49 111.5 125.4 188.0#

51 30.4 38.3 57.5#

86 63.9 53.3 79.9



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3000

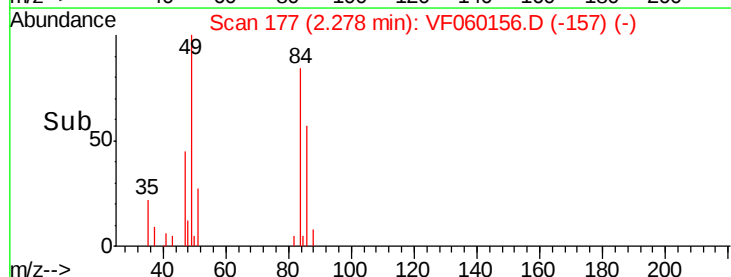
2000

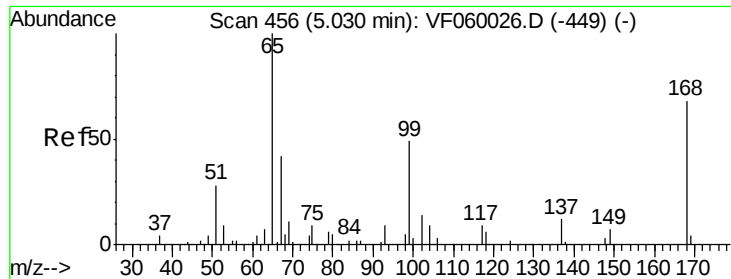
1000

0

2.20 2.30 2.40

Time-->

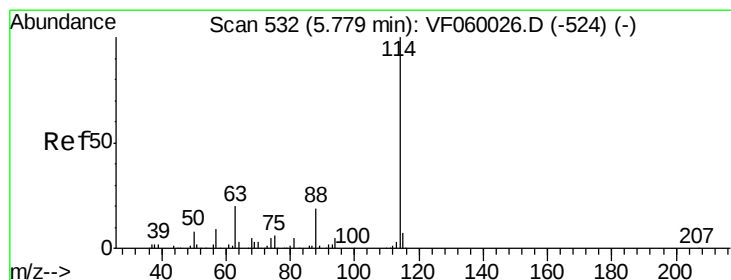
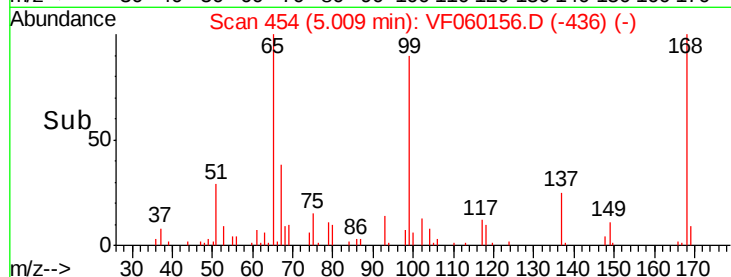
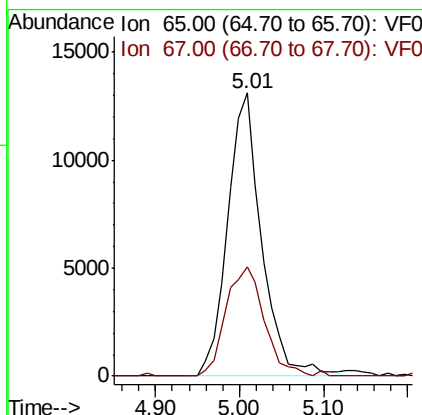
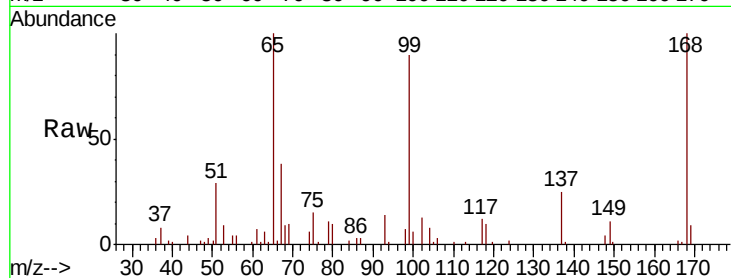




#33  
 1,2-Dichloroethane-d4  
 Concen: 24.35 ug/l  
 RT: 5.01 min Scan# 454  
 Delta R.T. -0.02 min  
 Lab File: VF060156.D  
 Acq: 28 Aug 2018 18:07

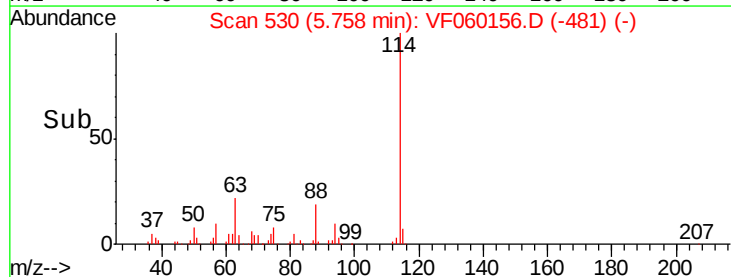
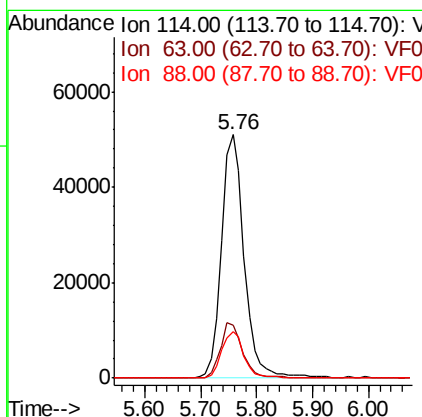
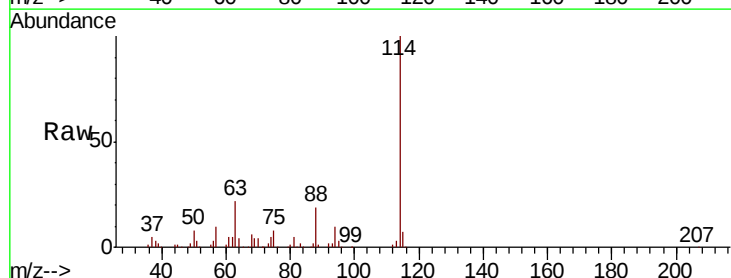
Instrument :  
 MSVOA\_F  
 ClientSampled :  
 EP1-Q4-B5RE

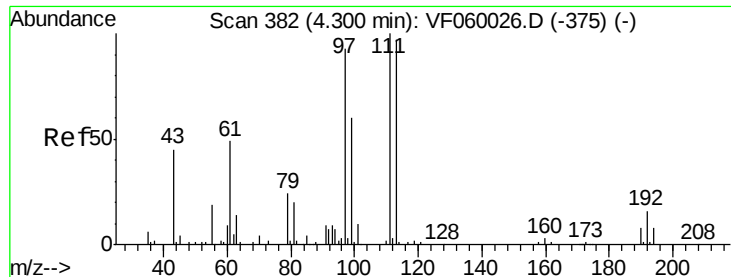
Tot Ion: 65 Resp: 36879  
 Ion Ratio Lower Upper  
 65 100  
 67 38.6 0.0 92.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.76 min Scan# 530  
 Delta R.T. -0.02 min  
 Lab File: VF060156.D  
 Acq: 28 Aug 2018 18:07

Tgt Ion:114 Resp: 144034  
 Ion Ratio Lower Upper  
 114 100  
 63 21.8 0.0 40.4  
 88 19.1 0.0 38.6





#35

Dibromofluoromethane

Concen: 40.34 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF060156.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA\_F

ClientSampleId :

EP1-Q4-B5RE

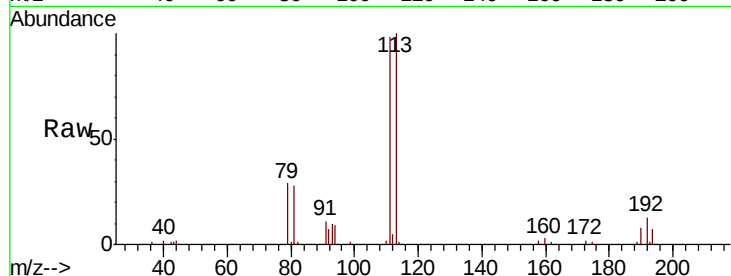
Tot Ion:113 Resp: 45630

Ion Ratio Lower Upper

113 100

111 96.8 82.7 124.1

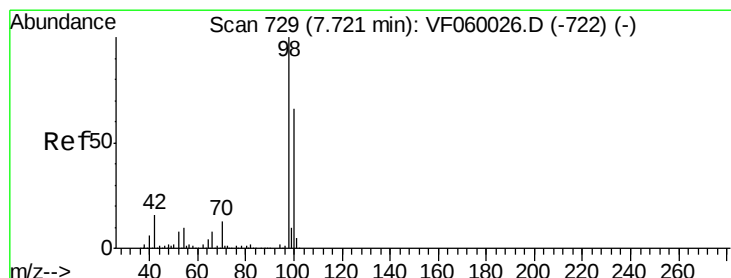
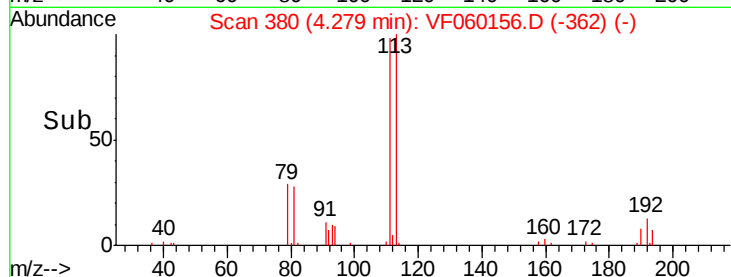
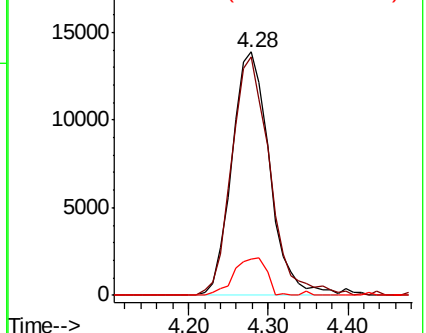
192 14.5 13.0 19.4



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 43.91 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF060156.D

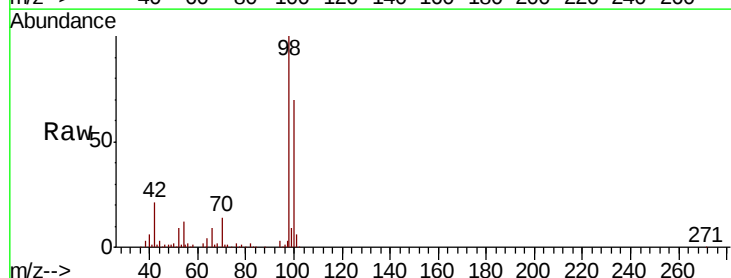
Acq: 28 Aug 2018 18:07

Tgt Ion: 98 Resp: 141039

Ion Ratio Lower Upper

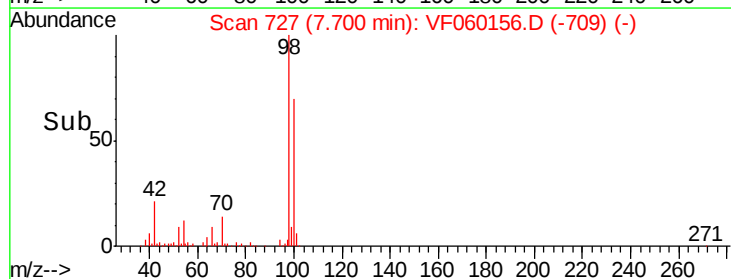
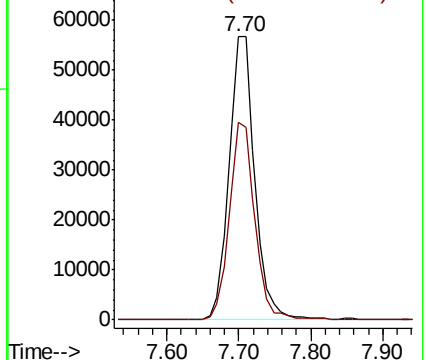
98 100

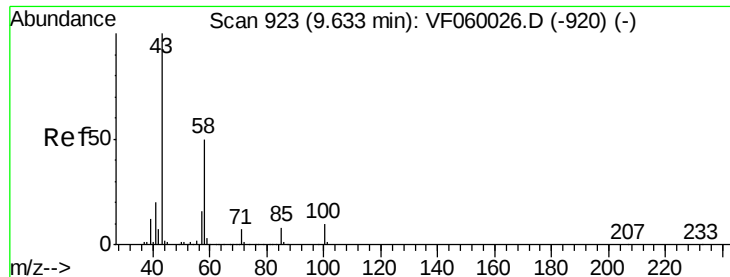
100 69.9 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

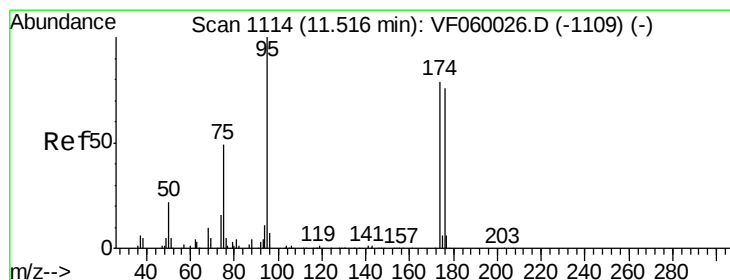
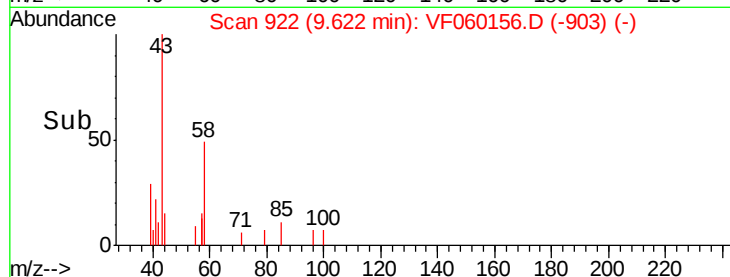
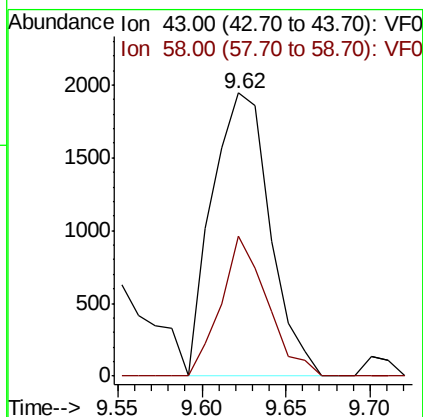
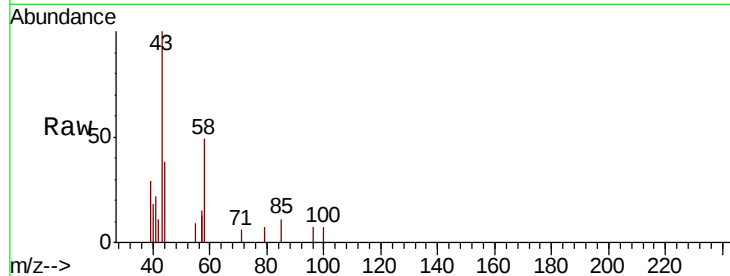




#59  
2-Hexanone  
Concen: 6.52 ug/l  
RT: 9.62 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: VF060156.D  
Acq: 28 Aug 2018 18:07

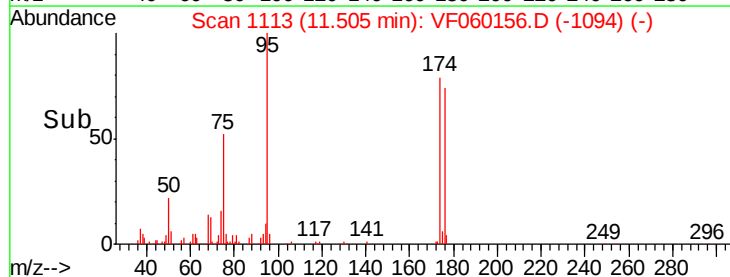
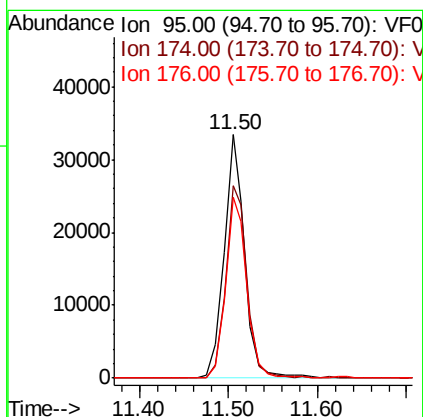
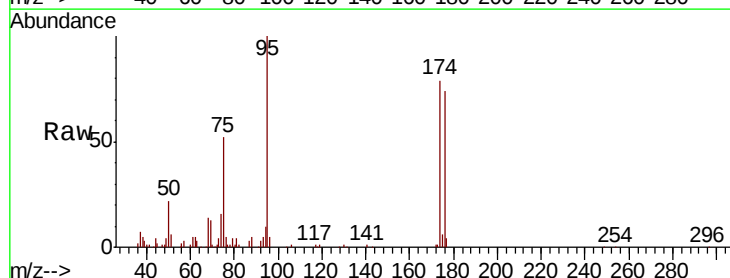
Instrument :  
MSVOA\_F  
ClientSampleId :  
EP1-Q4-B5RE

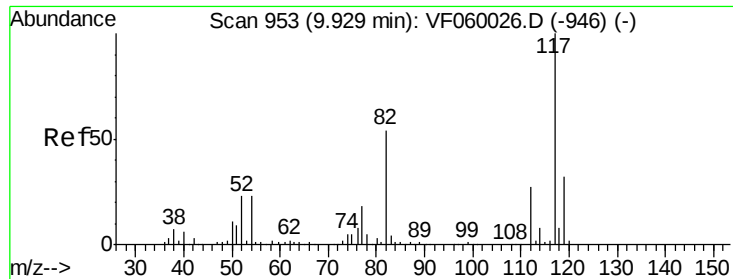
Tot Ion: 43 Resp: 4644  
Ion Ratio Lower Upper  
43 100  
58 49.4 23.4 70.2



#62  
4-Bromofluorobenzene  
Concen: 32.14 ug/l  
RT: 11.50 min Scan# 1113  
Delta R.T. -0.01 min  
Lab File: VF060156.D  
Acq: 28 Aug 2018 18:07

Tgt Ion: 95 Resp: 54609  
Ion Ratio Lower Upper  
95 100  
174 79.1 0.0 158.4  
176 74.1 0.0 153.0

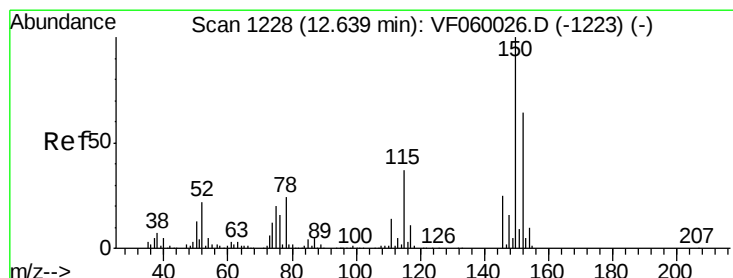
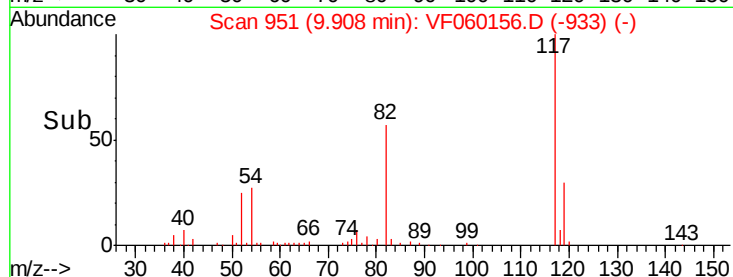
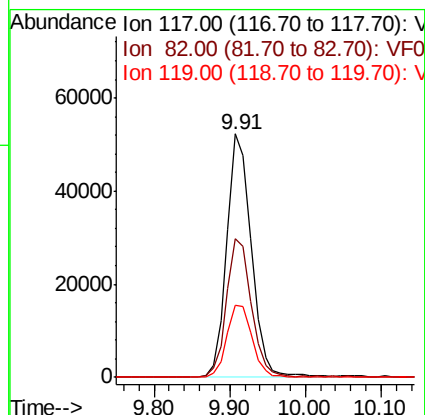
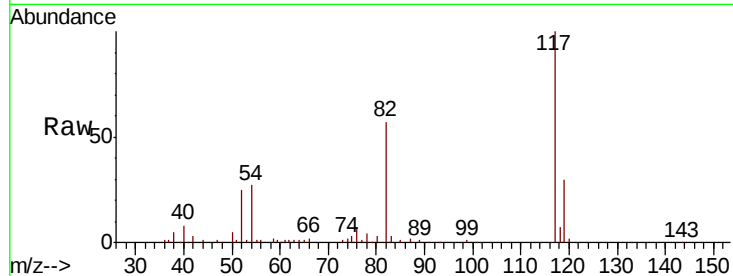




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.91 min Scan# 951  
Delta R.T. -0.02 min  
Lab File: VF060156.D  
Acq: 28 Aug 2018 18:07

Instrument :  
MSVOA\_F  
ClientSampleId :  
EP1-Q4-B5RE

Tot Ion:117 Resp: 117836  
Ion Ratio Lower Upper  
117 100  
82 56.9 43.6 65.4  
119 29.6 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.63 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: VF060156.D  
Acq: 28 Aug 2018 18:07

Tgt Ion:152 Resp: 56246  
Ion Ratio Lower Upper  
152 100  
115 61.1 28.6 85.9  
150 156.4 0.0 312.0

